

Features

Tiller & Tiller head

- With the soft fold back system, the tiller returns smoothly to the vertical position preventing impacts against the motor's cover
- Long tiller with low mounting point provides a large safety clearance between operator and chassis
- Easy-to-reach control buttons permit fingertip operation for utmost efficiency
- Wrap-around hand protection
- Twin grip steering control, operable with either hand for easy handling



Linde Weighing Device

- Weight estimation of the load carried up to 1500 mm
- Information available at a glance on a wide multifunctional display
- System accuracy +/- 50 kg

Multifunctional Display

- Important information about truck and the load
- Easy and ergonomic navigation within the different settings and information tabs
- Provides hourmeter, battery status and maintenance information

Steering System

- Electric power steering as standard ensures effortless driving
- Proportional speed control varies truck speed automatically in relation to tiller angle for safe operation
- Creep speed function allows for slow and highly maneuverable operation in confined areas with upright tiller
- End-of-stroke resistance on the tiller avoids accidental, abrupt braking

AC Motor

- Powerful, high torque 2,3 kW AC drive motor
- Moisture and dust-proof AC motor
- No rollback when starting on a slope
- Traction speed adjustable up to 6km/h, laden or unladen



Lifting System

- OptiLift® mast control provides precise, fully proportional lifting
- Soft landing of the forks protects the load when lowering
- Initial lift version provides improved clearance on ramps and dock levellers
- Wide range of mast options available to suit any application

Brakes

- Automatic braking on release of traction butterfly or selecting the opposite direction
- Truck slows before coming to a stop, remaining under total control at all times
- Highly efficient electromagnetic brake applied by moving the tiller to fully up or down position
- Easy-to-reach emergency isolator on the top of the front cover

Battery change

- Vertical battery change as standard
- Lateral change option includes:
 - Rollers inside the battery compartment to aid battery change
 - Lever initiates battery change preventing direct contact

ncnielsen

Nørregade 66
7860 Balling

Telefon 99 83 83 83 • fax 97 56 46 24
www.nc-nielsen.dk • linde@nc-nielsen.dk



Pedestrian Pallet Stacker
Capacity 1400, 1600 and 2000 kg
L14, L16, L20

Series 1173

Linde Material Handling

Linde

Safety

The Linde pedestrian pallet stacker is a perfect fit for any stacking application. A weighing device enables to estimate load's weight up to 1500 mm so as to combine the information with the capacity plate for advanced safety. Safety-lift can be used for lifting with the tiller vertical while safety is assured as both hands remain on the controls.

Performance

High operational efficiency is this truck's true strength with its 2,3 kW AC motor. The robust chassis structure gives this truck exceptional residual capacity and offers capacities from 1400 kg up to a strengthened 2000 kg version complying with heavy load handling performances

Comfort

The OptiLift system, easy access to the controls and fingertip operation of the truck allow precise and comfortable handling. The proportional speed control option automatically reduces traction speed in relation to the distance between truck and operator.

Reliability

The material of the motor cover has been selected to protect strategic components effectively and to be long lasting for an extended service life. The robust chassis and cast steel rear skirt ensure a long service life in heavy duty applications. With the initial lift version (option), the ground clearance is improved to cope with gradients and dock levellers.

Serviceability

Efficiency at work, efficiency in servicing. A colour display provides important information at a single glance, indicates maintenance requirements and battery status. Robust components and a tried and tested, maintenance-free AC motor ensure service intervals are extended and operating costs reduced.

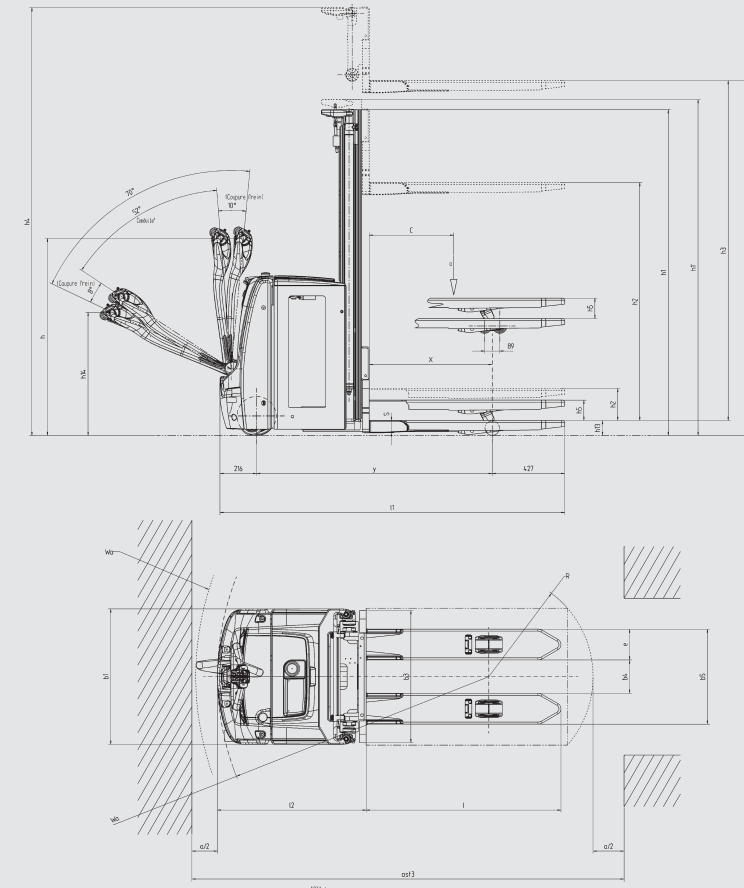
Subject to modification in the interest of progress. Illustrations and technical details could include options and not binding for actual constructions. All dimensions subject to usual tolerances.

Printed in Denmark: Trucktryk 99 83 83 94 - 067.e.3.0315.lnd08.ki

Technical Data according to VDI 2198

		1173-00	1173-00	1173-00			
Characteristics	1.1	Manufacturer	LINDE	LINDE	LINDE		
	1.2	Model designation	L14	L16	L20		
	1.2a	Series	1173-00	1173-00	1173-00		
	1.3	Power unit	Battery	Battery	Battery		
	1.4	Operation	Pedestrian	Pedestrian	Pedestrian		
	1.5	Load capacity/Load	Q (t)	1.4	1.6	2.0	
	1.6	Load centre	c (mm)	600	600	600	
	1.8	Axle centre to fork face	x (mm)	724 (646) ¹¹⁾	724 (646) ¹¹⁾	724 (646) ¹¹⁾	
	1.9	Wheelbase	y (mm)	1311 (1233) ^{13) 14)}	1311 (1233) ^{13) 14)}	1425 (1347) ^{13) 14)}	
Weights	2.1	Service weight	(kg)	1085 ¹⁵⁾	1085 ¹⁵⁾	1670 ¹⁵⁾	
	2.2	Axle load with load, front/rear	(kg)	847 / 1638 ¹⁶⁾	866 / 1819 ¹⁶⁾	1296 / 2374 ¹⁶⁾	
	2.3	Axle load without load, front/rear	(kg)	715 / 370 ¹⁶⁾	715 / 370 ¹⁶⁾	1122 / 548 ¹⁶⁾	
	3.1	Tyres rubber, SE, pneumatic, polyurethane		V+P/P ¹⁷⁾	V+P/P ¹⁷⁾	V+P/P ¹⁷⁾	
	3.2	Tyre size, front		Ø 230 x 90	Ø 230 x 90	Ø 230 x 90	
Wheels/Tyres	3.3	Tyre size, rear		Ø 85 x 85 (Ø 85 x 60) ¹⁸⁾	Ø 85 x 85 (Ø 85 x 60) ¹⁸⁾	Ø 85 x 105 (Ø 85 x 60) ¹⁸⁾	
	3.4	Auxiliary wheels (dimensions)		Ø 150 x 50	Ø 150 x 50	Ø 150 x 50	
	3.5	Wheels, number front/rear (x = driven)		1x + 1 / 2 (1x + 1 / 4) ¹⁸⁾	1x + 1 / 2 (1x + 1 / 4) ¹⁸⁾	1x + 1 / 2 (1x + 1 / 4) ¹⁸⁾	
	3.6	Track width, front	b10 (mm)	534 ¹⁸⁾	534 ¹⁸⁾	534 ¹⁸⁾	
	3.7	Track width, rear	b11 (mm)	380 ¹⁸⁾	380 ¹⁸⁾	370 ¹⁸⁾	
	Dimensions	4.2	Height of mast, lowered	h1 (mm)	1915 ¹⁸⁾	1915 ¹⁸⁾	1915 ¹⁸⁾
		4.3	Free lift	h2 (mm)	150 ¹⁸⁾	150 ¹⁸⁾	150 ¹⁸⁾
4.4		Lift	h3 (mm)	2844 ¹⁸⁾	2844 ¹⁸⁾	2684 ¹⁸⁾	
4.5		Height of mast, extended	h4 (mm)	3364 ¹⁸⁾	3364 ¹⁸⁾	3284 ¹⁸⁾	
4.9		Height of tiller arm in operating position, min/max	h14 (mm)	697.5 / 1162.5	697.5 / 1162.5	697.5 / 1162.5	
4.15		Height, lowered	h13 (mm)	86	86	86	
4.19		Overall length	l1 (mm)	1950 ¹⁸⁾	1950 ¹⁸⁾	2068 ¹⁸⁾	
4.20		Length to fork face	l2 (mm)	800 ¹⁸⁾	800 ¹⁸⁾	915 ¹⁸⁾	
4.21		Overall width	b1/b2 (mm)	800 ¹⁸⁾	800 ¹⁸⁾	810 ¹⁸⁾	
4.22		Fork dimensions	s/e/l (mm)	71 x 180 x 1150	71 x 180 x 1150	73 x 210 x 1150	
4.24		Width of fork carriage	b3 (mm)	780 ¹⁸⁾	780 ¹⁸⁾	780 ¹⁸⁾	
4.25		Fork spread, min/max	b5 (mm)	560 / 680 ¹⁸⁾	560 / 680 ¹⁸⁾	580 / 680 ¹⁸⁾	
4.26		Width between reach legs	b4 (mm)	255 / 375	255 / 375	230 / 330	
4.32		Ground clearance, centre of wheelbase	m2 (mm)	30 (20/140) ^{18) 19)}	30 (20/140) ^{18) 19)}	14 (20/115) ^{18) 19)}	
4.33		Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	2463 (2576) [2385 (2422)] ^{18) 19) 20) 21)}	2463 (2576) [2385 (2422)] ^{18) 19) 20) 21)}	2578 (2691) [2500 (2537)] ^{18) 19) 20) 21)}	
4.34	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2349 (2462) [2271 (2384)] ^{18) 19) 20) 21)}	2349 (2462) [2271 (2384)] ^{18) 19) 20) 21)}	2464 (2577) [2386 (2499)] ^{18) 19) 20) 21)}		
4.35	Turning radius	Wa (mm)	1527 ¹⁸⁾	1527 ¹⁸⁾	1642 ¹⁸⁾		
Performance	5.1	Travel speed, with/without load	(km/h)	6 / 6 ¹⁸⁾	6 / 6 ¹⁸⁾	6 / 6 ¹⁸⁾	
	5.2	Lifting speed, with/without load	(m/s)	0.16 / 0.3 (0.4) ¹⁸⁾	0.15 / 0.3 (0.4) ¹⁸⁾	0.12 / 0.25 (0.35) ¹⁸⁾	
	5.3	Lowering speed, with/without load	(m/s)	0.4 / 0.35 ¹⁸⁾	0.4 / 0.35 ¹⁸⁾	0.35 / 0.25 ¹⁸⁾	
	5.8	Maximum climbing ability, with/without load	(%)	10.0 / 24.0	10.0 / 24.0	8.0 / 24.0	
	5.10	Service brake		electric/mechanic	electric/mechanic	electric/mechanic	
Drive	6.1	Drive motor, 60 minute rating	(kW)	2.3	2.3	2.3	
	6.2	Lift motor, rating at S3 15%	(kW)	3.2	3.2	3.2	
	6.3	Battery according to DIN 43531/35/36 A,B,C,no		43 535 / B / 2PzS	43 535 / B / 2PzS	43 535 / B / 3PzS	
	6.4	Battery voltage/rated capacity (5h)	(V/Ah)	24 / 250	24 / 250	24 / 270	
	6.5	Battery weight (± 5%)	(kg)	212	212	249	
	6.6	Power consumption according to VDI cycle	(kWh/h)	1.47	1.47	1.52	
Others	8.1	Type of drive control		LAC w. microprocessor	LAC w. microprocessor	LAC w. microprocessor	
	8.4	Noise level at operator's ear	(dB(A))	< 66	< 66	< 66	

1) Figures in parenthesis with initial lift (± 5 mm)
 2) ± 0 mm = 2 PzS vertical; + 75 mm = 3 PzS vertical; + 150 mm = 4 PzS vertical
 3) Figures with battery, see line 6.4/6.5.
 4) (± 10%)
 5) Solid rubber + polyurethane / polyurethane
 6) Figures in parenthesis with tandem load wheels.
 7) Without/with initial lift
 8) (± 2 mm)
 9) Values in parenthesis with bumper
 10) With creep speed = tiller in vertical position [with initial lift]
 11) Including a 200 mm (min.) operating aisle clearance.
 12) (± 20 mm)
 13) with initial lift Wa = 1449 mm, with bumper Wa = 1640 mm, with initial lift and bumper Wa = 1562 mm
 14) with initial lift Wa = 1564 mm, with bumper Wa = 1755 mm, with initial lift and bumper Wa = 1677 mm
 15) (± 5%)
 16) figures in parenthesis for optional „Lift Speed Booster“
 17) figures in parenthesis for optional „Lift Speed Booster“
 18) figures in parenthesis for optional „Lift Speed Booster“
 19) figures in parenthesis for optional „Lift Speed Booster“
 20) figures in parenthesis for optional „Lift Speed Booster“
 21) figures in parenthesis for optional „Lift Speed Booster“



Mast 1.4 and 1.6 t (in mm)	1844 S	2344 S	2844 S	3244 S	3744 S	4144 S	4644 S	1844 D	2344 D	
Lift	h3	1844	2344	2844	3244	3744	4144	4644	1844	2344
Lift + fork height	h3+h13	1930	2430	2930	3330	3830	4230	4730	1930	2430
Height, mast lowered	h1	1415	1665	1915	2115	2365	2565	2815	1415	1665
Closed height (with free lift at 150 mm)	h1#	1490	1740	1990	2190	2440	2640	2890	-	-
Height, mast extended	h4	2364	2864	3364	3764	4264	4664	5164	2364	2864
Free lift	h2	150	150	150	150	150	150	150	895	1145

Mast 1.4 and 1.6 t (in mm)	2844 D	3244 D	3744 D	4144 D	3516 T	4266 T	4716 T	5316 T
Lift	h3	2844	3244	3744	4144	3516	4266	4716
Lift + fork height	h3+h13	2930	3330	3830	4230	3602	4352	4802
Height, mast lowered	h1	1915	2115	2365	2565	1665	1915	2065
Closed height (with free lift at 150 mm)	h1#	1915	2115	2365	2565	1665	1915	2065
Height, mast extended	h4	3364	3764	4264	4664	4036	4786	5236
Free lift	h2	1395	1595	1845	2045	1145	1395	1545

Mast 2 t (in mm)	2684 S	3084 S	3584 S	2684 D	3084 D	3584 D	3276 T	4026 T	4476 T
Lift	h3	2684	3084	3584	2684	3084	3584	3276	4026
Lift + fork height	h3+h13	2770	3170	3670	2770	3170	3670	3362	4112
Height, mast lowered	h1	1915	2115	2365	1915	2115	2365	1665	1915
Closed height (with free lift at 150 mm)	h1#	1990	2190	2440	-	-	-	-	-
Height, mast extended	h4	3284	3684	4184	3284	3684	4184	3876	4626
Free lift	h2	150	150	150	1315	1515	1765	1065	1315

Other masts on request
 S=Standard, D=Duplex, T=Triplex